

MISC. FEE TRANSMITTAL

Patent fees are subject to annual revision.

Complete if Known

| | |
|------------------------|--------------|
| Application Number | 10/616,082 |
| Filing Date | July 8, 2003 |
| First Named Inventor | S. Hamilton |
| Examiner Name | M.K. Joike |
| Group Art Unit | 1636 |
| Attorney Docket Number | GF0021YIB |

TOTAL AMOUNT OF PAYMENT

\$180

METHOD OF PAYMENT

☒ Deposit Account

Deposit Account Number 13-2755

Deposit Account Name Merck & Co., Inc.

The Director is authorized to:

☒ Charge fee(s) indicated below

☒ Credit any overpayments

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17

FEE CALCULATION

FEES

Large Entity

| Fee Code | Fee (\$) |
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Fee Description

Fee Paid

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|------|-----|-------------------------------------|--|
| 1051 | 130 | Surcharge - late filing fee or oath | |
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|------|-----|---------------------------|--|
| 1051 | 130 | Non-English Specification | |
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| 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
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| 1402 | 500 | Filing a brief in support of an appeal | |
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| 1452 | 500 | Petition to revive - unavoidable | |
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| 1453 | 1,500 | Petition to revive - unintentional | |
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| 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
|------|----|-------------------------------------|--|

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| 1806 | 180 | Submission of Information Disclosure Statement | 180 |
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| 1809 | 790 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
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| 1810 | 790 | For each additional invention to be examined (37 CFR 1.129(b)) | |
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| 1840 | 130 | Statutory Terminal Disclaimer under 37 CFR 1.321 | |
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Other fee (specify) _____

Other fee (specify) _____

TOTAL

\$180

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name

JOHN DAVID REILLY

Reg. Number

43,039

Signature

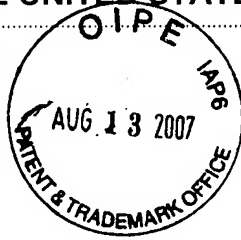
Date

8/9/2007

Deposit Account User ID

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: S. HAMILTON



Serial No. 10/616,082

Filed: July 8, 2003

For: EXPRESSION OF CLASS 2 MANNOSIDASE AND CLASS III
MANNOSIDASE IN LOWER EUKARYOTIC CELLSArt Unit: 1636Examiner: M.K. Joike

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97

Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

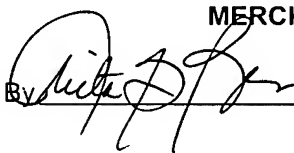
3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.

4. Pursuant to 37 C.F.R. 1.98 (a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

03/14/2007 AAHHADI 00000002 132755 10616082
01 FC:1806 100.00 DA

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK & CO., INC.

By  Date 8/9/2007

INFORMATION DISCLOSURE STATEMENT

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

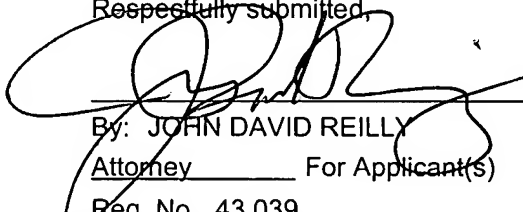
| RELATED APPLICATION | | |
|---------------------|-------------|------------|
| U. S. SERIAL NUMBER | FILING DATE | MERCK CASE |
| | | |
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If this is inconvenient, additional copies will be submitted upon request.

6. In accordance with 37 C.F.R. 1.97, (check one)

- ☐ the attached information is filed within three months of the filing date of the captioned case.
- ☐ the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.
- ☐ the attached information is filed before the mailing of a first Office action after the filing of a request for continued examination under §1.114.
- ☒ the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action, Notice of Allowance, or an action that otherwise closes prosecution in the application. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).
- ☐ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart application *and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the information disclosure statement.*
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

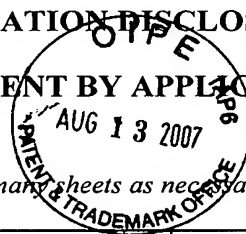
Respectfully submitted,


 By: JOHN DAVID REILLY
 Attorney _____ For Applicant(s)
 Reg. No. 43,039

MERCK & CO., INC.
 Patent Dept., RY60-30
 P.O. Box 2000
 Rahway, N.J. 07065-0907

(732)594-6914

Date: 8/9/07

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|---|---|----|--------------------------|------------------------|-----------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary) | | | COMPLETE IF KNOWN | | |
| | | | Application Number | 10/616,082 | |
| | | | Filing Date | July 8, 2003 | |
| | | | First Named Inventor | S. Hamilton | |
| | | | Group Art Unit | 1636 | |
| | | | Examiner Name | M.K. Joike | |
| Sheet | 1 | of | 4 | Attorney Docket Number | GF0021YIB |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|----------------------|----------------------|---|--|
| Examiner Initials* | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
| | | Number | Kind Code (if known) | | |
| | | 2006/0160179 | | Bobrowicz et al. | 07/20/2006 |
| | | 2006/0040353 | | Davidson et al. | 02/23/2006 |
| | | 2006/0211085 | | Bobrowicz | 09/21/2006 |
| | | 2006/0029604 | | Gerngross et al. | 02/09/2006 |
| | | 2006/0078963 | | Gerngross | 04/13/2006 |
| | | 2006/0177898 | | Gerngross | 08/10/2006 |
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| | | 2005/0170452 | | Wildt et al. | 08/04/2005 |
| | | 2005/0260729 | | Hamilton | 11/24/2005 |
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| | | 2004/0171826 | | Hamilton | 09/02/2004 |
| | | 2006/0286637 | | Hamilton | 12/21/2006 |
| | | 2006/0034829 | | Gerngross et al. | 02/16/2006 |
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| | | 2006/0034828 | | Gerngross et al. | 02/16/2006 |
| | | 2006/0034830 | | Gerngross et al. | 02/16/2006 |
| | | 7029872 | | Gerngross | 04/18/2006 |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|----------|-------------------------|----------------|-------------------------|---|---|
| Examiner Initials* | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
| | | Office | Number | Kind Code (if known) | | |
| | | | EP 1522590 | | Glycofi, Inc. | 04/13/2005 |
| | | | EP 1297172 | | Glycofi, Inc. | 11/09/2005 |
| | | | WO 2004/074498 | | Hamilton et al. | 09/02/2004 |
| | | | WO 03/056914 | | Glycofi, Inc. | 07/17/2003 |
| | | | WO 2004/074458 | | Bobrowicz et al. | 09/02/2004 |
| | | | WO 2004/074461 | | Bobrowicz et al. | 09/02/2004 |
| | | | WO 2004/074497 | | Hamilton et al. | 09/02/2004 |
| | | | WO 2004/074499 | | Gerngross et al. | 09/02/2004 |
| | | | WO 2007/028144 | | Glycofi, Inc. | 03/08/2007 |
| | | | WO 2000/061739 | | Kyowa Hakko Kogyo Co., Ltd. | 10/19/2000 |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Computer generated form "IDS Form" (IDS Folder), Merck & Co., Inc., 06/28/2007

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|---|---|----|---|--------------------------|-------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | COMPLETE IF KNOWN | |
| | | | | Application Number | 10/616,082 |
| | | | | Filing Date | July 8, 203 |
| | | | | First Named Inventor | S. Hamilton |
| | | | | Group Art Unit | 1636 |
| | | | | Examiner Name | M.K. Joike |
| Sheet | 2 | of | 4 | Attorney Docket Number | GF0021YIB |

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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

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|---|---|----|--------------------------|------------------------|-----------|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | COMPLETE IF KNOWN | | |
| | | | Application Number | 10/616,082 | |
| | | | Filing Date | July 8, 2003 | |
| | | | First Named Inventor | S. Hamilton | |
| | | | Group Art Unit | 1636 | |
| | | | Examiner Name | M.K. Joike | |
| Sheet | 3 | of | 4 | Attorney Docket Number | GF0021Y1B |

| NON PATENT LITERATURE DOCUMENTS | | |
|---------------------------------|----------|--|
| Examiner Initials* | Cite No. | Include name of the author, title, date, page(s), volume-issue number(s) and place of publication. |
| | AA | Li et al., Nature Biotech., Vol. 24 (2006), pp. 210-215, "Optimization of humanized IgGs in glycoengineered Pichia pastoris" |
| | AB | Lifely et al., Glycobiology, Vol. 5 (1995), pp. 813-822, "Glycosylation and biological activity of CAMPATH-1H expressed in different cell lines ..." |
| | AC | Yamane-Ohnuki et al., Biotech. Bioengin., Vol. 87 (2004), pp. 614-622, "Establishment of FUT8 knockout Chinese hamster ovary cells: An ideal host cell line for producing ..." |
| | AD | Tatara et al., J. of Biol. Chem., Vol. 278 (2003), pp. 25289-25294, "Identification of catalytic residues of Ca2+-independent 1,2-alpha-D-mannosidase from Aspergillus saitoi ..." |
| | AE | EP 1297172 B1 - Glycode Opposition Brief (French) |
| | AF | EP 1297172 B1 - Glycode Opposition Brief (English translation) |
| | AG | EP 1297172 B1 - Novozyme Opposition Brief |
| | AH | EP 1297172 B1 - Patentee's Reply to the Notice of Opinion |
| | AI | EP 1297172 B1 - EPO Non-Binding Opinion |
| | AJ | Fujita et al., Biochem. & Biophys. Res. Comm., Vol. 238 (1997), pp. 779-783, "Five crucial carboxyl residues of 1,2-alpha-mannosidase from Aspergillus saitoi (A. phoenicis), ..." |
| | AK | Schlegel et al., Database GSN Derwent No. ABV29386, XP002293375 (2002) |
| | AL | Voet et al., Biochemistry (1990), pp. 266-267, Section 10-3. Glycoproteins. |
| | AM | Strasser et al., Biochem., Vol. 387 (2005), pp. 385-391, "Molecular basis of N-acetylglucosaminyltransferase I deficiency in Arabidopsis thaliana ..." |
| | AN | Minowa et al., J. Biol. Chem., Vol. 273 (1998), pp. 11556-11562, "cDNA cloning and expression of bovine UDP-N-acetylglucosamine: ..." |
| | AO | Duman et al., Biotechnol. Appl. Biochem., Vol. 28 (1998), pp. 39-45, "O-mannosylation of Pichia pastoris cellular and recombinant proteins" |

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| Sheet | 4 | of | 4 | Attorney Docket Number | GF0021YIB |

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| | | | |
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| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|